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# Owner's Manual

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**PetPal**

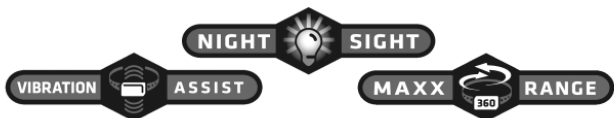
by *D.T. Systems*

# **S.P.O.T.™** **Trainer**

**Signaling. Protecting. Obedience. Trainer.**  
**With Night Sight™ Technology**



**TECHNOLOGIES USED:**



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***Let Your Dog Be a Dog!™***

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## **IMPORTANT NOTE:**

Please read this owner's manual in its entirety before operating this unit. Should you have any questions about our collars or their operation please contact our Customer Service department (see back page for contact information).

### **NOTICE!**

According to how you use your transmitter, the transmitting range may be much different.

You will have more range if you use your transmitter apart from your body as follows:



**Maximum Range**



**Typical Range**



**Minimum Range**

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# INTRODUCTION

Congratulations and thank you for purchasing our **S.P.O.T.™** training collar. The S.P.O.T.™ (Signaling. Protecting. Obedience. Trainer.), much as the name suggests, was designed to signal you and others as to the whereabouts of your dog in low light conditions (morning and evening hours when you are frequently out walking your dog). Our *Night Sight™* Illumination Technology with super bright LED lighting and reflective collar strap make this possible and protect your dog by making the dog highly visible and easy to see. The S.P.O.T.™ features D.T. Systems' own Vibration Assist™ Technology to help train your dog with a vibrating collar option that gets your dog's attention and greatly aids in training sessions. The collar also features a 900 yard range with our MAXX-Range 360™ Technology (internally imbedded collar antenna) for positive 360° reception no matter the conditions. The collar unit has our SmartLED™ system which let's you know when charging is complete and how much charge is left during use.

*At D.T. Systems, dogs are our passion. Spending time with our best friends requires thoughtful care and training. It also involves a responsibility to teach, respect, and protect. The PetPal line of training products from D.T. Systems will help to ensure both you and your dog experience great times together. PetPal...Let your dog be a dog!™*

## PACKAGE CONTENTS

- Transmitter\*
- Collar Receiver
- Rechargeable Batteries for the collar (already installed in collar unit)
- Battery Charger
- Single-Jack Adapter Charging Cable
- Owner's Manual

**\*9-volt transmitter battery NOT included**

## MODEL FEATURES

- D.T. Digital Technology
- Night Sight™ LED System with 16 adjustable brightness intensity levels
- FM Signal transmission with MAXX-Range 360™ Internal Antenna in collar belt
- Vibration Assist™
- Up to 900 yard range
- Lightweight, compact collar and transmitter
- SmartLED™ battery indicator light on collar receiver
- Rechargeable Ni-MH battery system in collar
- Completely waterproof collar
- Bright orange reflective collar strap
- Weather resistant uses 9-volt battery (not included)

# PARTS & FUNCTIONS



## Transmitter

### BLNK Intensity Selection Dial

The Night Sight™ intensity selection dial can be set from brightness level 1 to level 16 for the BLNK function.



## PARTS & FUNCTIONS

### Transmitter Antenna

Be sure to check that the antenna is securely fastened to the transmitter before each use. Hand tighten only. Be careful when screwing the antenna into the transmitter. Over-tightening the antenna can cause damage to the antenna or the antenna mount.

### Magnet Indicator (Red Dot)



The red dot indicates the magnet location and is used to turn the collar receiver ON/OFF and for ID programming.

### Transmitter LED Indicator Light

When any of the buttons on the transmitter is pushed, the *red* LED light will turn on to indicate that the transmitter is being operated. If the *red* LED light blinks rapidly after pressing any of the transmitter buttons, the 9-volt battery will need to be replaced soon.

### Night Sight™ & Remote Training Buttons

Pressing the “LITE” button will cycle through a constant 50% brightness, constant 100% brightness, blink/strobe at 100% brightness, and back to off on the Night Sight™ LED lights. Holding the “BLNK” button will make the Night Sight™ LED lights blink until released. Pressing the red Vibration Assist™ button on the left side will make the collar vibrate until released.

## PARTS & FUNCTIONS

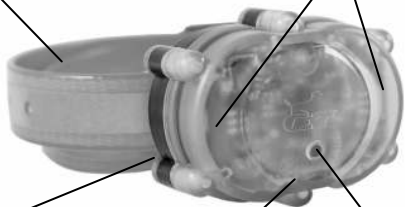
Reflective Collar Belt  
with MAXX-Range  
360™ Antenna

Night Sight™  
LED Lights

Battery Charging  
Receptacle (on  
back)

SmartLED™  
Indicator Light

Magnetic  
ON/OFF  
Switch  
Indicator  
(red dot)



### Collar Receiver

#### Night Sight™ LED & Reflective Collar

The two Night Sight™ LED lights with adjustable brightness are highly visible in the dark. The reflective collar will brightly reflect light pointed at it. See *page 15* for more information on the proper fit of the collar.

#### Collar SmartLED™ Indicator Light

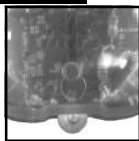
When the collar receiver is turned on, the SmartLED™ light will flash *green* once every two seconds if the rechargeable battery has 51% to 100% charge left and flash *red* once every two seconds if it has 21% to 50% charge left. The SmartLED™ light will double flash *red* when the battery needs charging. The SmartLED™ light stays lit *red* while plugged into the charger and turns *green* when charging is complete.



## PARTS & FUNCTIONS

### Magnetic On/Off Switch Indicator (Red Dot)

The red dot indicates the location of the magnetic power switch in the collar receiver and is used to turn the collar receiver ON/OFF and for ID Programming.



### Collar Belt with MAXX-Range 360™ Antenna

The embedded collar antenna is woven into the bright orange reflective collar belt and runs the entire length of the belt. The MAXX-Range 360™ antenna gives the collar receiver 360° of clear signal reception.

#### CAUTION

If your collar belt is too long, we recommend looping the excess Collar Belt back around through the buckle. We DO NOT recommend cutting the collar belt. Cutting the collar belt too much will reduce the range of your collar receiver. However, if you must, the collar belt can be cut up to about 3 inches without affecting the range greatly.

### Battery Charging Receptacle

The battery charging receptacle is located on the bottom side of the collar box. Always close with the rubber plug after charging to prevent foreign particles from getting inside the charging receptacle.

#### NOTE

The unit is still waterproof even if water gets into the charging receptacle. However, if water should get in, we recommend rinsing out the charging receptacle and allowing it to dry, especially after use in salt water. This will prevent premature corrosion in the metal pins inside that make contact with the charger plug.

## SmartLED™

**S.P.O.T.™** collars are equipped with the SmartLED™ battery status system. The SmartLED™ system lets you know when the collar receiver is charging and when the charging is complete. It also gives you a status on how much charge is remaining in the battery during use, when it needs charging, and when the batteries will need to be replaced.

Action	SmartLED™ COLOR/PATTERN	Status
Charging	<i>Red</i>	Charging
	<i>Green</i>	Charging complete*
	Long <i>Red</i> blink every other second	Charging error**
While Unit is On	Flashing <i>Green</i>	51%-100% charge left
	Flashing <i>Red</i>	21%-50% charge left
	<i>Red</i> double flash	Battery charge is low and requires charging soon

\***Charging Complete** - Once charging is complete, your unit will go into a trickle charge to prevent overcharging. However, it is recommended that you remove your unit from the charger as soon as charging is complete.

\*\***Charging Error** - If the SmartLED™ has a long blink every other second while charging, the rechargeable battery pack may need to be replaced. New batteries may also initially give an error light. Contact D.T. Systems if the problem persists after a few charging sessions.

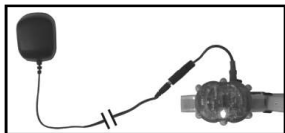
## CHARGING THE COLLAR BATTERIES

**S.P.O.T.**<sup>™</sup> collars are equipped with rechargeable Nickel Metal Hydride (NiMH) batteries, which are not memory sensitive and do not require depletion before recharging. Although batteries come partially charged from the factory, it is recommended that they are given a full charge (up to 12 hours) before initial use.

\* The transmitter uses a 9-volt replaceable battery (not included). Be sure to pay attention to the “+” and “-” terminals when inserting the battery.

### Battery Charging Procedure

1. Make sure the unit is off.
2. Plug the wall charger into a standard electrical outlet.
3. Connect the single-jack cable to the charger and plug the end into the collar receiver. The SmartLED<sup>™</sup> should light solid *red* while charging.
4. Charging is complete when the SmartLED<sup>™</sup> turns *green* (may take up to 12 hours).
5. When charging is complete, disconnect the battery charging cable from the receptacle, securely replace the rubber charging receptacle cover, and test unit.



**WARNING: DO NOT CHARGE WHILE UNIT IS WET!**

**NOTE:** Rechargeable batteries typically last about 2-5 years on average depending on use and care. Keep batteries away from flammable substances. DO NOT OVERCHARGE. See *page 17* for more information on battery maintenance.

## TURNING ON AND OFF

The transmitter is always in a permanent sleep state. It is only ON when a button is being pressed and does not need to be turned off by the user. If the transmitter does not activate, make sure you have a good battery installed.

### **Turning the Collar Unit ON/OFF:**

Turning the collar unit ON and OFF uses the same procedure:

1. Hold the transmitter magnet indicator (*red dot*) directly against the magnetic activation switch (*red dot*) on the front side of the collar unit.
2. The SmartLED™ indicator will light solid for about a second and then start flashing. Remove the transmitter from the collar unit when the SmartLED™ light begins to flash.



If the collar unit has been turned ON, the SmartLED™ will flash approximately every other second. If the collar unit has been turned OFF, the SmartLED™ will no longer be flashing.

### **NOTE**

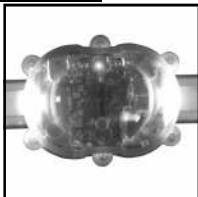
If the *red* LED on the transmitter flashes rapidly after any button is pressed, the 9-volt battery may need to be replaced. If the SmartLED™ on the collar unit double-flashes while ON, the unit will need to be recharged. If the SmartLED™ double-flashes soon after a full charging session, the rechargeable battery may need to be replaced.

## TESTING

**NOTE:** Before testing, make sure that the transmitter has a good battery and the collar unit is fully charged and “ON”.

### To Test the Night Sight™ LED Lights

1. To test the “LITE” function, press the “LITE” button once and the two LED lights on each side will light up at 50% brightness. Press “LITE” once more for 100% brightness. Press “LITE” once more for blink/strobe. Press “LITE” again to shut off the lights.
2. To test the “BLNK” function, press and hold the button. It should blink/strobe while you are holding it down (for up to 8 seconds). The intensity level of “BLNK” is controlled by turning the dial from levels 1 through 16 to control the brightness level.



### To Test the Vibration

1. Hold the collar unit in your hand.
2. Press the red Vibration Assist™ button on the side of the transmitter.
3. The collar unit should vibrate while the button is being pressed.

#### NOTE

If the collar unit is not responding to any signals from the transmitter, the collar may need to be reprogrammed to the transmitter (see page 14).

## PROGRAMMING

If your collar unit is not responding to the transmitter, it may need to be reprogrammed to the transmitter. If you ever need a replacement transmitter or collar unit, reprogramming will also be needed.

1. Select the desired collar selecting switch position (toggle switch located on top of transmitter).
2. Hold the transmitter magnet indicator (red mark) directly against the magnetic switch indicator (red mark) on the front of the collar receiver.
3. The SmartLED™ light inside the collar receiver will light up solid for about 1 second, followed by 6 flashes. You must keep the transmitter next to the collar receiver during this time.
4. Continue to hold the transmitter against the collar receiver until the SmartLED™ light stays on solid. The collar receiver is now in the *Code Running Mode* (the SmartLED™ light will stay lit for approximately 8 seconds while it is in this mode).
5. Remove the transmitter from the collar receiver and press the LITE and BLNK buttons simultaneously while it is in the *Code Running Mode*.
6. When the SmartLED™ blinks 3 times, the Collar ID is programmed and the collar receiver is now ON.

**NOTE – Do not move the transmitter magnet indicator from the collar receiver magnetic switch indicator until after the SmartLED™ stops flashing and stays on solid or the collar receiver will not go into the *Code Running Mode*. You must press the LITE and BLNK buttons simultaneously while the SmartLED™ is lit solid.**

## PROPERLY FITTING THE COLLAR

**NOTE:** Proper collar tightness and position are very important to insure effective use.



The **S.P.O.T.**<sup>™</sup> collar must be put properly around your dog's neck to insure that your dog can feel the Vibration Assist<sup>™</sup> feature. Adjust the collar accordingly and tighten so that you can still get two fingers under the collar (between the collar and the dogs neck your fingers should fit, but snugly). If the collar is too loose, your dog may not be able to feel the collar vibrating through the fur.

- Place the collar unit high and tight on your dog's neck with the collar receiver box centered below the neck (See image above). Placing it at the wider base of the neck can let it travel up to the narrower part of the neck while your dog is moving, loosening as it goes.
- It should be tight enough to fit two fingers between the collar belt and your dog's neck, but not tight enough to restrict your dog's breathing.

**NOTE** - You can rotate the collar for better visibility from the lights. However, please note that gravity may make the collar rotate down. Also, if your dog goes under obstacles, the collar unit may hit or snag on the obstacle.

## SETTING NIGHT SIGHT™ INTENSITY LEVEL

The Night Sight™ LED system consists of two bright LED lights located on each side of the collar receiver. Each light is capable of producing around 21 Lumens, or 42 Lumens total (when set at 100% brightness).

**Setting LITE** - Press the “LITE” button once and the Night Sight™ LED light on each side will light up at 50% brightness. Press “LITE” once more for 100% brightness. Press “LITE” once more for blink/strobe. Press “LITE” again to shut off the lights.

### General Battery Charge Life with LITE Function

Constant Light at 50% Brightness	2-3 hours
Constant Light at 100% Brightness	1-2 hours
Blinking Light at 100% Brightness	2-3 hours

**Setting BLNK** - The intensity selection knob on top of the S.P.O.T.™ transmitter controls the Night Sight™ brightness settings of the “BLNK” function on your system. To adjust BLNK brightness, turn the knob to your desired selection of 1-16 for varying levels of brightness. While holding down the “BLNK” button you will notice the intensity of the light increase as you go up from 1-16 levels.

**NOTE** - Battery life is greatly affected when leaving the S.P.O.T.™ Night Sight™ illumination on high constant light for long periods of time. To maximize battery life, set the unit to low light or strobe if using for long periods of time without charging. Charging the battery is recommended after each extended use of the Night Sight™ LED lights. Also, as the battery ages, usage time will diminish.



## MAINTENANCE

It is important to periodically clean your **S.P.O.T.™ Series** system for maximum performance. Regular cleaning will also lengthen the life of your unit.

- Clean the collar box, belt and buckle with lukewarm water and a mild anti-bacterial soap.
- Thoroughly clean the space between the electrodes and the belt.
- Always allow the entire unit to completely dry before charging/using.

**NOTE** - The collar unit should be rinsed with fresh, clean water after use in wet conditions, especially salt water.

### Battery Maintenance

To get the maximum performance and life out of your rechargeable batteries:

- Remove the unit from the charger as soon as the SmartLED™ turns *green* during a charging session.
- It is recommended not to leave your unit charging for more than 12 hours at a time.

When storing your unit for extended periods of time:

- Remove the 9V battery from the transmitter.
- Do not store your collar unit with depleted batteries.
- Fully charge and test your unit about once a month.
- Do not store your unit in extreme temperatures.
- Store your unit in a dry environment.

### CAUTION

Dispose of batteries properly by calling your local waste service.



## IMPORTANT SAFETY NOTES

- Before training with this unit, your dog's health should be examined by a veterinarian. This training device is not intended for dogs that are overly sensitive to extreme external stimuli, such as flashing lights.
- Your **S.P.O.T.**™ training collar is a very valuable tool if used correctly. It is extremely important that you completely understand all the functions of the collar and how to properly train with it before placing it on your dog.
- Test your system before placing the collar unit on your dog(s) to help prevent possible interruptions and inconsistencies during training and field time.
- **Never leave your dog unattended with the unit on.** Since no electronic device is perfect, there is a very slight possibility that your dog may receive an unintentional vibration.
- It is important to keep the collar clean. Clean the collar unit regularly with a mild anti-bacterial soap.
- Do not point the lights directly at your eyes, your dog's eyes, or anyone else's eyes in close proximity.
- If you suffer from epilepsy, do not look at the flashing lights.

# WARRANTY

All **S.P.O.T.**™ training systems have a one year parts and labor warranty effective from the original date of purchase. A copy of the original sales receipt is required to validate the date of purchase. The **S.P.O.T.**™ has been made with state of the art equipment. Any fine adjustment should be performed only by D.T. Systems' technicians.

## NOTE

Warranty covers manufacturer's defects only. It does not cover damage caused by misuse or abuse.

## FCC & IC COMPLIANCE

Your **S.P.O.T.**™ **Trainer** has been manufactured under complete compliance with Part 15 of the Federal Communication Commission (FCC) rules and Industry Canada (IC) Standard RSS-310. The complex internal structure of each product has been designed to operate within specific regulations of FCC specifications. Any changes or modifications not expressly approved by the manufacturer is a violation of these specifications and could void the user's authority to operate the equipment.

*This device complies with Part 15 of the FCC rules subject to the following two conditions:*

- 1. This device may not cause harmful interference*
- 2. This device must accept all interference received, including interference that may cause undesired operation.*

*Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- Reorient or relocate the receiving antenna.*
- Increase the separation between the equipment and receiver.*
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- Consult the dealer or an experienced radio/TV technician for help.*

*This Category II radiocommunication device complies with Industry Canada Standard RSS-310. 26.96-27.28.10mv.*

*Ce dispositif de radiocommunication de catégorie II respecte la norme CNR-310 d'Industrie Canada.*



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